1 A-2 CODE INFORMATION
(NOT TO BE USED FOR QUANTITY TAKE-OFF)

USE GROUP CLASSIFICATIONS — 'E' Educational; 'A-3' Assembly (new Gymnasium)

BUILDING HEIGHTS — One story, 17'-4" (max) (North of fire wall); Two story, 30'-0" (South of fire wall)

ACTUAL FLOOR AREAS
I. North of fire wall = 49,250 s.f.
II. South of fire wall = 27,376 s.f. for "E" use Zone
III. South of fire wall = 14,884 s.f.
IV. South of fire wall = 11,270 s.f. for "A-3" use

TOTAL BUILDING AREA — 94,883 s.f.

Actual travel distances are shown on plan.

Threshold buildings: N/A

Minimum type of construction required: 2B (all areas)

NOTE: Existing building as renovated shall meet the construction classification of Type 2B construction.

BOCA ALLOWABLE FLOOR AREAS: (Conversion factor x area limit)
I. North of fire wall = 2.268 x 21,780 = 49,385 s.f.
II. South of fire wall "E" = 2.268 x 21,780 = 49,385 s.f.
III. South of fire wall "A-3" = 1.98 x 13,125 = 25,988 s.f.

ADJUSTED TABULAR AREAS: (Actual floor area / conversion factor)
I. North of fire wall = 49,250/2.268 = 21,712 s.f.
II. South of fire wall "E" = 27,376/2.268 = 12,074 s.f.
III. South of fire wall "A-3" = 11,270/1.98 = 5,691 s.f.

GRADES HOUSED - KINDERGARTEN - 8TH

TOTAL BUILDING OCCUPANCY — 3,460 PEOPLE

NOTE:

The following specified construction assemblies shall meet the fire resistance requirements and standards of the U.L. Design Assemblies listed.

Fire Resistance Specification

Roof/Ceiling Assemblies (with 15 feet or less in height to lowest member) = 1 hour rating.
- suspended panel ceiling under existing roof area: U.L. Design No. 9256
- gyp. board ceiling under existing roof area: U.L. Design No. 9508
- suspended panel ceiling under new roof area: U.L. Design No. 9211
- gyp. board ceiling under new roof area: U.L. Design No. 9508
- gyp. board ceiling under free standing beam over area: U.L. Design No. 9015
- no ceiling under new roof area: U.L. Design No. U801 (beam) U.L. Design No. U805 (joist)

Floor/Ceiling Assemblies = 1 hour rating
- suspended panel ceiling under new floor area: U.L. Design No. D215
- gyp. board ceiling under new floor area: U.L. Design No. D502
- no ceiling under new floor area: U.L. Design No. D216

1A A-2 NOTE:
ALL ROOF/CEILING ASSEMBLIES SHALL COMPLY W/ SECTION 5.02.3.2 OF CT. STATE BUILD. CODE.

2 A-2 HARDWARE NOTES
1. ALL RATED DOORS AND DOORS FRONTING CORRIDORS SHALL HAVE POSITIVE LATCHING AND CLOSERS.
2. ALL DOORS LEADING TO HAZARDOUS SPACES SHALL HAVE TACTILE WARNING. (SEE NOTE #7 BELOW)
3. ALL DOORS EXITING 100 OR MORE PERSONS SHALL HAVE PANIC EXIT DEVICES.
4. ALL CLASSROOM DOORS FRONTING CORRIDORS SHALL HAVE 20 MINUTE DOORS, FRAMES AND HARDWARE.
5. HANDICAPPED ACCESSIBLE DOOR HARDWARE SHALL BE PROVIDED TO COMPLY WITH UNIFORM FEDERAL ACCESSIBILITY STANDARDS.
6. ALL HAZARDOUS AREAS SHALL HAVE 45 MINUTE DOORS, FRAMES AND HARDWARE.
7. HAZARDOUS AREAS INCLUDE, CUSTODIAN SPACES, SHOPS, STORAGE, BOILER ROOMS, FINISHING ROOMS, MECHANICAL ROOMS, LABS AND PREP ROOMS, AND HIGH SCHOOL ART ROOMS. (DOOR OPERATIONAL HARDWARE TO STUDENT SPACES DO NOT REQUIRE TACTILE WARNINGS.)
8. THE CONTRACTOR SHALL INSURE THAT 1 THROUGH 6. ARE IMPLEMENTED IN NEW AND EXISTING BUILDING AREAS.
9. SEE SPECIFICATION SECTION 08700 FOR ADDITIONAL INFORMATION.

3 A-2 HANDICAPPED NOTES
1. ALL PROGRAMS ARE ACCESSIBLE TO THE HANDICAPPED. ALL ROOMS USED BY THE HANDICAPPED HAVE ACCESSIBLE WORK STATIONS. ALL LABS AND SHOPS USED BY THE HANDICAPPED HAVE ACCESSIBLE EYE AND BODY WASH AND HANDICAPPED SINKS WITH FIRE PROTECTION. ALL ACCESSORIES ARE MOUNTED 34 INCHES MAXIMUM FOR SIDE APPROACH OR 40 INCHES MAXIMUM FOR FRONT APPROACH. THE ACCESSIBLE ROUTE THROUGH BUILDING IS SIGNED WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AND THE ACCESSIBLE ROUTE HAS 32 INCHES CLEARANCE THROUGHOUT (DOORWAYS IN PARTICULAR.) ALL ITEMS SHALL CONFORM TO UNIFORM FEDERAL ACCESSIBILITY STANDARDS AS REFERENCED IN SECTION 504, REHABILITATION ACT 1973.
2. DOORS WHICH ARE NOT INTENDED FOR NORMAL USE OR WHICH MIGHT PROVE DANGEROUS IF USED BY VISUALLY HANDICAPPED PERSONS SHALL BE IDENTIFIED BY APPROVED TACTILE WARNING DEVICES ON DOOR KNOBS. SEE SPECIFICATION SECTION 08700 FOR ADDITIONAL INFORMATION AND NOTES 9.5 & 17 ON DETAIL 2/A-2.
3. ALL DOORS EXCEPT THE ONES DESCRIBED IN ITEM #2 ABOVE SHALL HAVE LEVER HANDLE LOCK/LATCH SET. SEE SPECIFICATION SECTION 08700 FOR ADDITIONAL INFORMATION.

4 A-2 HANDICAPPED NOTES
ALL ROOM SIGNS SHALL BE MOUNTED AT 60" AFF. TO THE CENTER OF SIGN. THE LETTERS AND NUMBERS SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3/5 AND 1 AND CHARACTERS OR SYMBOLS SHALL BE RAISED 1/32" MINIMUM. RAISED LETTERS AND NUMBERS SHALL BE UPPERCASE. RAISED CHARACTERS SHALL BE AT LEAST 5/8" HIGH BUT NO HIGHER THAN A NOMINAL 2". PROVIDE AT THE LATCH SIDE OF THE DOOR ON THE WALL TO DESIGNATE ALL SPACES.

5 A-2 FILL PENETRATION
PIPES, CONDUITS, BUS, CABLES, WIRES, AIR DUCTS, PNEUMATIC TUBES AND DUCTS, AND SIMILAR BUILDING SERVICE EQUIPMENT THAT PASS THROUGH FIRE BARRIERS SHALL BE PROTECTED AS FOLLOWS:
1. THE SPACE BETWEEN THE PENETRATING ITEM AND THE FIRE BARRIER SHALL BE FILLED WITH A MATERIAL CAPABLE OF MAINTAINING THE FIRE RESISTANCE OF THE FIRE BARRIER.
2. WHERE THE PENETRATING ITEM USES A SLEEVE TO PENETRATE THE FIRE BARRIER, THE SLEEVE SHALL BE SOLIDLY SET IN THE FIRE BARRIER, AND THE SPACE BETWEEN THE ITEM AND THE SLEEVE SHALL BE FILLED WITH A MATERIAL CAPABLE OF MAINTAINING THE FIRE RESISTANCE OF THE FIRE BARRIER.
3. INSULATION AND COVERINGS FOR PIPES AND DUCTS SHALL NOT PASS THROUGH THE FIRE BARRIER UNLESS THE MATERIAL IS CAPABLE OF MAINTAINING THE FIRE RESISTANCE OF THE FIRE BARRIER.
4. SEE DETAILS ON DRAWING M-5.

6 A-2 FIRE SEPARATION LEGEND
(SEE DRAWING A-1 & FLOOR PLAN FOR PARTITION TYPE & FOR UL. RATING)
- ..... NEW 1 HOUR FIRE RATED PARTITION CONSTRUCTION
- - - - NEW 2 HOUR FIRE RATED PARTITION CONSTRUCTION
- EXISTING 1 HOUR FIRE RATED PARTITION CONST.
- (S) NEW SMOKE DOORS
- NEW FIRE WALL

7 A-2 GENERAL NOTES
A) EXISTING WALL RATINGS ARE BASED ON BOCA EQUIVALENT THICKNESS. INFORMATION IS BASED ON ORIGINAL DESIGN DRAWINGS AND FIELD OBSERVATIONS.

B) ALL FINISHES SHALL BE CLASS 'A'.

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2A 2-A NOTE:
ATMOSPHERIC CONTAMINATION IN THE INDUSTRIAL TECHNOLOGY AREA IS NOT EXPECTED DUE TO THE NATURE OF USE AT K-8 LEVEL.

NOTE: GYMNASIUM SHALL NOT BE USED FOR DISPLAY PURPOSES.

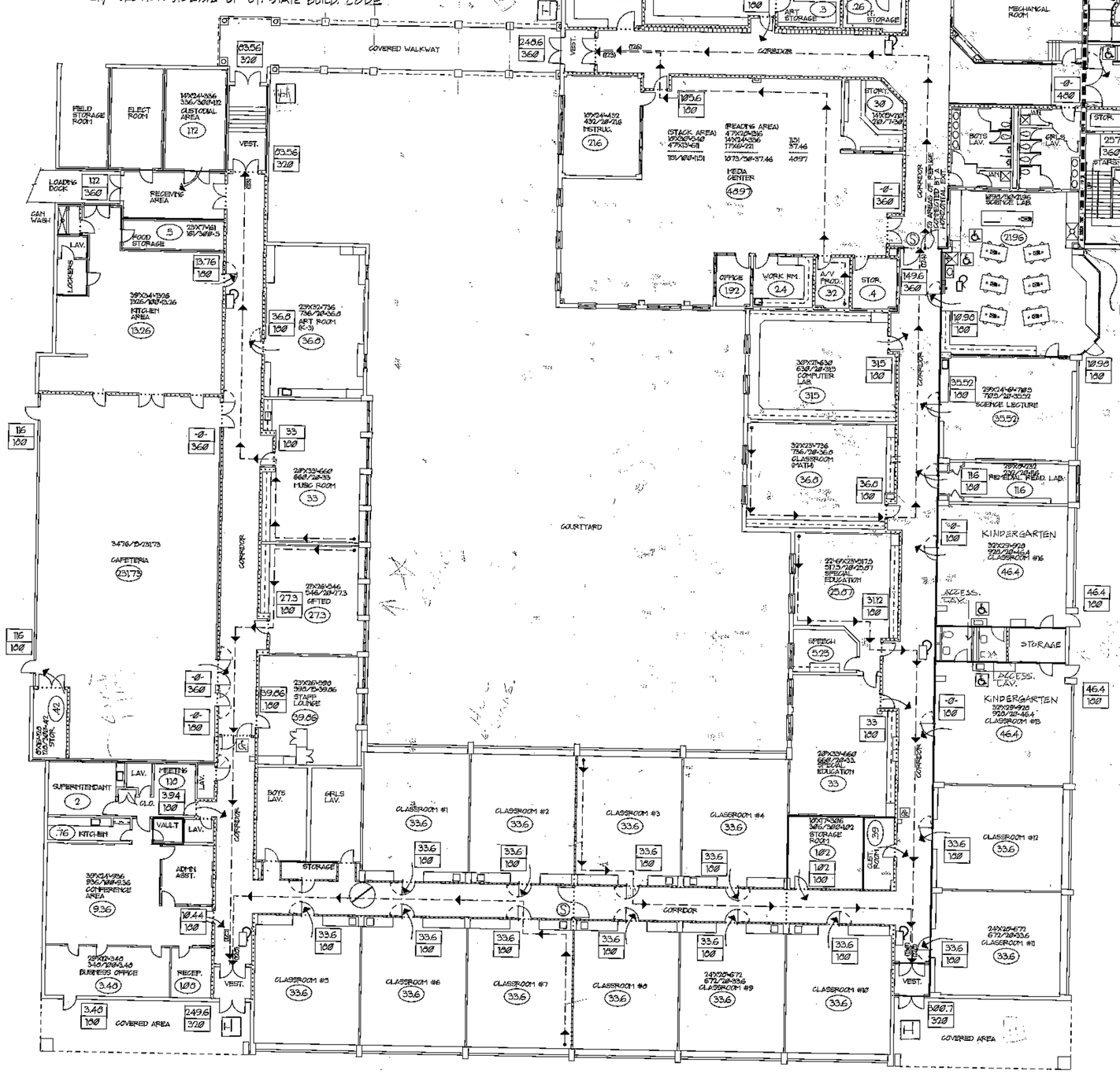
2B CONSTRUCTION | 2B CONSTRUCTION

FIRE WALL

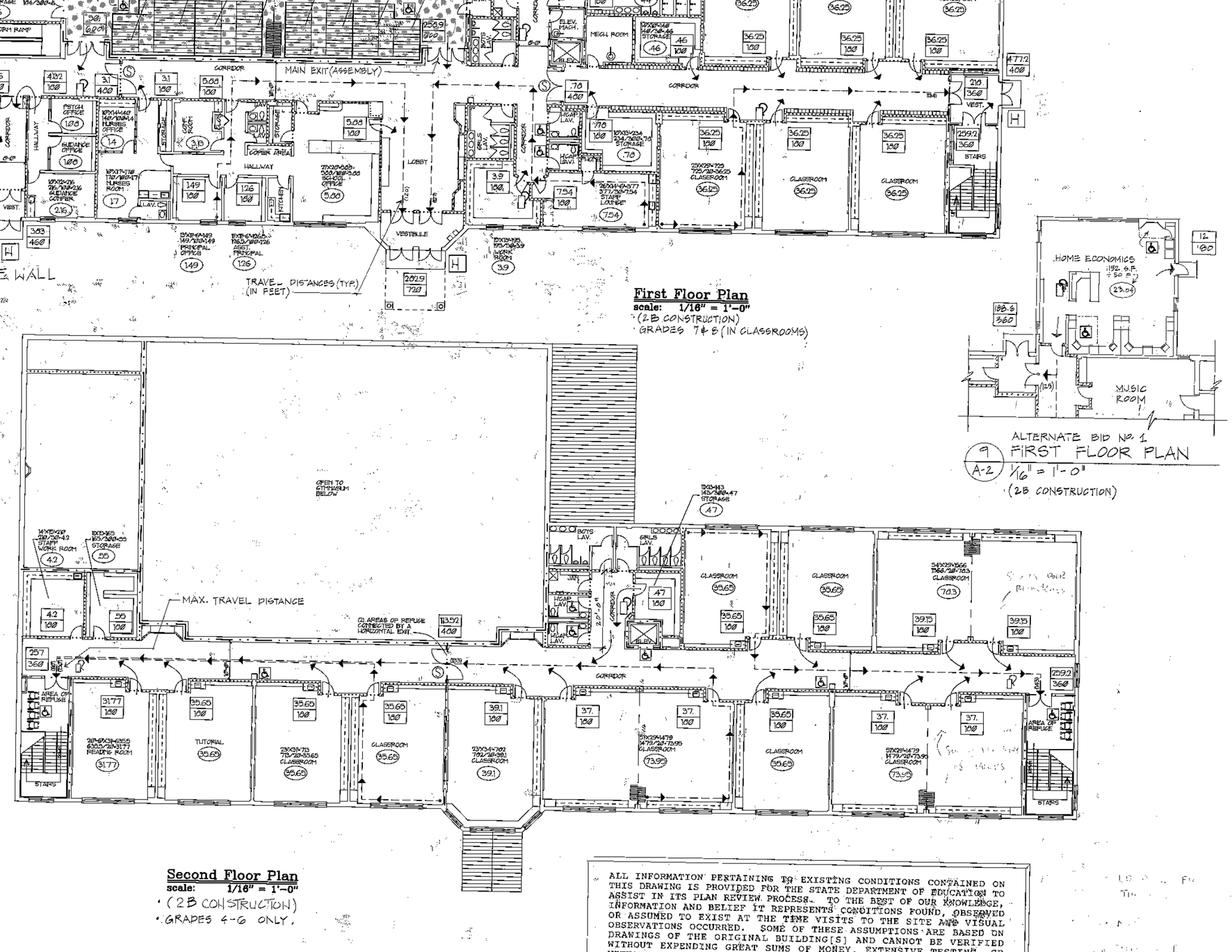
1 NOTE:
ADDITIONAL NON-MAIN EXITS IS APPROPRIATE FOR OCCUPANCY BY 600 ADULT LOAD

MAIN EXIT (ASSEMBLY)

TRAVEL DISTANCES (TYP.) (IN FEET)



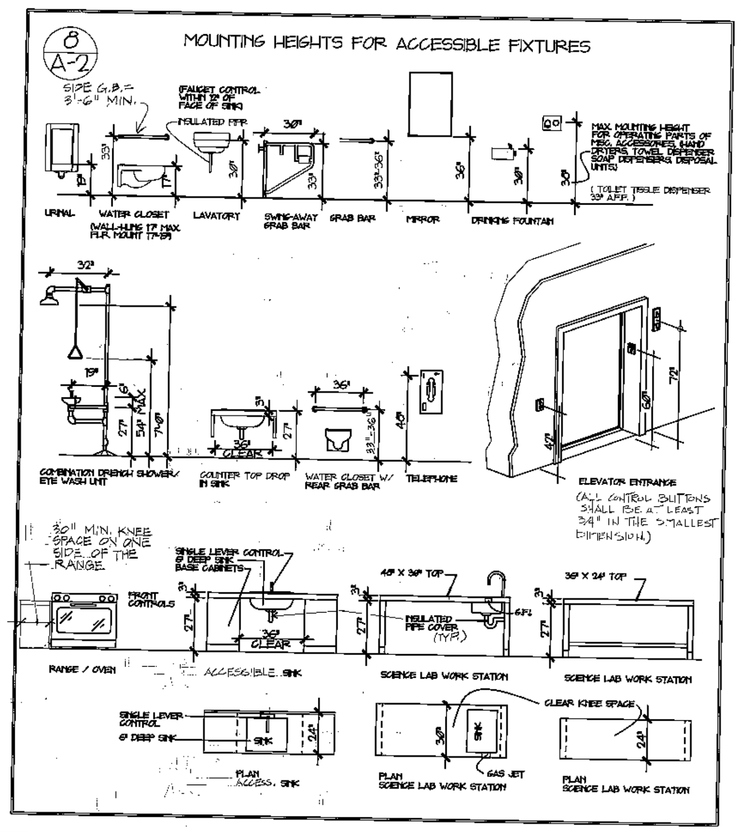
First Floor Plan
scale: 1/16" = 1'-0"
• (2B CONSTRUCTION)
• GRADES K-5 (IN CLASSROOMS)



First Floor Plan
scale: 1/16" = 1'-0"
• (2B CONSTRUCTION)
• GRADES 7 & 8 (IN CLASSROOMS)

Second Floor Plan
scale: 1/16" = 1'-0"
• (2B CONSTRUCTION)
• GRADES 6-8 ONLY.

ALTERNATE BID NO. 1
9 A-2 FIRST FLOOR PLAN
1/16" = 1'-0"
(2B CONSTRUCTION)



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PROJECT NUMBER 2155.01

ALTERATIONS AND ADDITIONS TO:
BOLTON ELEMENTARY SCHOOL
NOTCH ROAD
BOLTON, CONNECTICUT

N

DRAWING TITLE
CODE PLAN & INFORMATION

SCALE 1/16"=1'-0" | DATE 5-17-1992

A-2

DRAWING 10 OF 89

ALL INFORMATION PERTAINING TO EXISTING CONDITIONS CONTAINED ON THIS DRAWING IS PROVIDED FOR THE STATE DEPARTMENT OF EDUCATION TO ASSIST IN ITS PLAN REVIEW PROCESS. TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF IT REPRESENTS CONDITIONS FOUND, OBSERVED OR ASSUMED TO EXIST AT THE TIME VISITS TO THE SITE AND VISUAL OBSERVATIONS OCCURRED. SOME OF THESE ASSUMPTIONS ARE BASED ON DRAWINGS OF THE ORIGINAL BUILDING[S] AND CANNOT BE VERIFIED WITHOUT EXPENDING GREAT SUMS OF MONEY, EXTENSIVE TESTING, OR WITHOUT DESTROYING OTHERWISE ADEQUATE OR SERVICEABLE PORTIONS OF THE BUILDING. THEREFORE, THE ARCHITECT AND ENGINEERS CANNOT WARRANTEE/GUARANTEE THE CORRECTNESS OR COMPLETENESS OF THIS INFORMATION.

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